



Dkt. 1795/59138-B-PCT-US/JPW/ANX

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **RECEIVED**

Applicants : Beth E. Borowsky, et al.
U.S. Serial No.: 10/018,192
Filed : June 24, 2002
For : DNA Encoding SNORF36a and SNORF36b Receptors

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TECH CENTER 1600/2900

1185 Avenue of the Americas
New York, New York 10036
May 22, 2003

Mail Stop
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

This Supplemental Information Disclosure Statement is submitted under 37 C.F.R. §1.97(c)(2) to supplement the Information Disclosure Statement filed May 14, 2002 in connection with the subject application.

According to 37 C.F.R. §1.97(c), an Information Disclosure Statement shall be considered by the U.S. Patent and Trademark Office if filed before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application, if the Information Disclosure Statement is accompanied by either (1) a statement as specified in 37 C.F.R. §1.97(e) or (2) the fee set forth in C.F.R. §1.17(p). The required fee as set in 37 C.F.R. §1.17(p) is ONE HUNDRED EIGHTY DOLLARS (\$180.00), and a check for this amount is enclosed.

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to European Search Report issued February 28 , 2003 in connection

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U.S. Serial No.: 10/018,192
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Page 2

with European Patent Application No. 00930332.2, a foreign counterpart of the subject application. A copy of this Search Report is attached hereto as **Exhibit A**.

One of the twelve items cited in the Search Report was previously submitted to the Patent Office in connection with the subject application. Applicants would like to direct the Examiner's attention to the remaining eleven citations, which are listed on the attached Form PTO-1449 (**Exhibit B**):

1. PCT International Application WO 01/62924 A, published August 30, 2001 (**Exhibit 1**);
2. Marra M., et al., "The WashU-NCI Mouse EST Project 1999", March 25, 1999, Database Accession No. AI550997 (**Exhibit 2**);
3. Kefalov, V.J., et al., "Occupancy of the chromophore binding site of opsin activates visual transduction in rod photoreceptors", *Journal of General Physiology* (1999) 113(3): 491-503 (**Exhibit 3**);
4. Surya A. et al., "Enhancement of opsin activity by all-trans-retinal", *Experimental Eye Research*, (1998) 66(5): 599-603 (**Exhibit 4**);
5. Surya A., et al., "Evidence for multiple, biochemical distinguishable states in the G protein-coupled receptor, rhodopsin" *Trends in Pharmacological Sciences*, (1998) 19(7): 243-247 (**Exhibit 5**);
6. Yarfitz, S., et al., "Transduction mechanisms of vertebrate

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U.S. Serial No.: 10/018,192
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Page 3

invertebrate photoreceptors" *Journal of Biological Chemistry*, (1994), 269(20): 14329-14332 (**Exhibit 6**);

7. Provencio I. et al., "A Novel Human Opsin in the Inner Retina" *Journal of Neuroscience*, (2000), 20(2):600-605 (**Exhibit 7**);
8. Provencio, I. et al., "A Novel Human Opsin in the Inner Retina" January 16, 2000, Database Accession No. : AF147789 (**Exhibit 8**);
9. Provencio, I. et al., "A Novel Human Opsin in the Inner Retina" January 16, 2000, Database Accession No. : AF147788 (**Exhibit 9**);
10. Provencio, I. et al., "Melanopsin: An Opsin in Melanophores, Brain and Eye" January 9, 1998, Database Accession No. : AF014797 (**Exhibit 10**); and
11. Provencio, I. et al., "Melanopsin: An Opsin in Melanophores, Brain and Eye" June 1, 1998, Database Accession No. : 057422 (**Exhibit 11**).

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would further like to direct the Examiner's attention to the following references, including one relevant copending U.S. application, which is listed on the attached Form PTO-1449 (**Exhibit B**), and a copy of which is attached hereto as **Exhibit 13**:

12. U.S. Patent No. 6,413,731 B1 (Borowsky, et al.), issued July 2, 2002 (**Exhibit 12**); and

Applicants: Beth E. Borowsky, et al.
U.S. Serial No.: 10/018,192
Filed: June 24, 2002
Page 4

13. U.S. Serial No. 10/146,835, filed May 16, 2002 (**Exhibit 13**).

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone the number provided below.

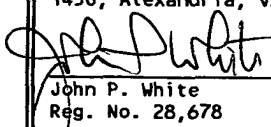
No fee, other than the enclosed \$180.00, is deemed necessary in connection with the filing of this Supplemental Information Disclosure Statement. However, if any fee is deemed necessary, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125. .

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



John P. White
Reg. No. 28,678

Date

5/22/03

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket N . 1795/59138-B-PCT- US/JPW/ANX		Serial No. 10/018,192								
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Applicants Beth E. Borowsky, et al.										
					Filing Date June 24, 2002		Group Art Unit								
U.S. PATENT DOCUMENTS															
Examiner Initial	US	Document Number							Date	Name	Class	Subclass	Filing Date if Appropriate		
		6	4	1	3	7	3	1	07/02/02	Borowsky, et al. (Exhibit 12)					
FOREIGN PATENT DOCUMENTS															
		Document Number							Date	Country	Class	Subclass	Translation		
														Yes	No
	WO	0	1	6	2	9	2	4	08/30/01	PCT (Exhibit 1)					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	Marra M., et al., "The WashU-NCI Mouse EST Project 1999", March 25, 1999, Database Accession No. AI550997 (Exhibit 2)														
	Kefalov, V.J., et al., "Occupancy of the chromophore binding site of opsin activates visual transduction in rod photoreceptors", <i>Journal of General Physiology</i> (1999) 113(3): 491-503 (Exhibit 3)														
	Surya A. et al., "Enhancement of opsin activity by all-trans-retinal", <i>Experimental Eye Research</i> , (1998) 66(5): 599-603 (Exhibit 4)														
	Surya A., et al., "Evidence for multiple, biochemical distinguishable states in the G protein-coupled receptor, rhodopsin" <i>Trends in Pharmacological Sciences</i> , (1998) 19(7): 243-247 (Exhibit 5)														
	Yarfitz, S., et al., "Transduction mechanisms of vertebrate invertebrate photoreceptors" <i>Journal of Biological Chemistry</i> , (1994), 269(20): 14329-14332 (Exhibit 6)														
EXAMINER									DATE CONSIDERED						

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Exhibit B

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. 1795/59138-B-PCT- US/JPW/ANX		Serial No. 10/018,192	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Applicants Beth E. Borowsky, et al.			
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U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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		Provencio, I. et al., "A Novel Human Opsin in the Inner Retina" January 16, 2000, Database Accession No. : AF147789 (Exhibit 8)						
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		Provencio, I. et al., "Melanoposin: An Opsin in Melanophores, Brain and Eye" June 1, 1998, Database Accession No. : 057422 (Exhibit 11)						
		U.S. Serial No. 10/146,835, filed May 16, 2002 (Exhibit 13)						
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